

121 LNPETRRPVLVYTHGGXPIFGENHDMGPDYFIKKDVLINIOYRLGALGFLSLNSED 180
 181 NPGNAGLADQVAMLMINNCANFGNDNTITVEGESAGAATHYMLTEOTRGLEHFG 240
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 241 ILMGNAICPMANTOCORAFATLAKYKGEEDNDKDLFEFLMKANPDILKEEKLTL 300
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 361 QMPVLVELETGVNFVPSLADAEPTALEMGAKIKKAAVGTGETPTADNFMDCSHY 420
 361 QMPVLVELETGVNFVPSLADAEPTALEMGAKIKKAAVGTGETPTADNFMDCSHY 420
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 481 NOLAKRMPRESREKTIERTMTGIWIOFATTCNPYSNEIEGMENYSMDPIKSDVYKCLN 540
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 541 ISDELKMIIDVPEMDKIKOWESMEFKHDLF 570

RESULT 8
 US-09-068-960-13
 Sequence 13, Application US/09068960A
 Patent No. 6335315
 GENERAL INFORMATION:
 APPLICANT: Commonwealth Scientific and Industrial Resrch. Org.
 TITLE OF INVENTION: MALATHION CARBOXYESTERASE
 FILE REFERENCE: Attorney Docet. No. 6335315 50179-051
 CURRENT APPLICATION NUMBER: US/09/068, 960A
 CURRENT FILING DATE: 1998-05-20
 EARLIER APPLICATION NUMBER: PCT/AU96/00746
 EARLIER FILING DATE: 1996-11-22
 EARLIER APPLICATION NUMBER: AU 6751
 EARLIER FILING DATE: 1995-11-23
 NUMBER OF SEQ ID NOS: 43
 SOFTWARE: Patent In Ver. 2.0
 SEQ ID NO 13
 LENGTH: 570
 TYPE: PRT
 ORGANISM: Musca domestica
 US-09-068-960-13

Seq ID NO: 8 & Seq ID NO: 13
 Seq comparison of

Query Match 76.48: Score 2348: DB 4: Length 570:
 Best Local Similarity 74.28: Pred. No. 2,9e-237:
 Matches 423: Conservative 73: Mismatches 74: Indels 0: Gaps 0:

1 MNPNTSLMKLTKKIKCIENKLTNRLTNETVAETEGVGVKRLTYDDSYSEEG 60
 1 MNPNTSLMKLTKKIKCIENKLTNRLTNETVAETEGVGVKRLTYDDSYSEEG 60
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 61 ITPAOPVGLERFKAPORTTPMDGVROCCNHRDKSVQVDFITGVCSSSEDLTYTNN 120
 61 ITPAOPVGLERFKAPORTTPMDGVROCCNHRDKSVQVDFITGVCSSSEDLTYTND 120
 121 LNPETRRPVLVYTHGGXPIFGENHDMGPDYFIKKDVLINIOYRLGALGFLSLNSED 180
 121 LNPETRRPVLVYTHGGXPIFGENHDMGPDYFIKKDVLINIOYRLGALGFLSLNSED 180
 121 LNPDRRRPVMVTHGGCPIFGCANMNGPDEYEMKRVYLVYVQYRLGALGFLSLNSEN 180
 181 NPGNAGLADQVAMLMINNCANFGNDNTITVEGESAGAATHYMLTEOTRGLEHFG 240
 181 NPGNAGLADQVAMLMINNCANFGNDNTITVEGESAGAATHYMLTEOTRGLEHFG 240

241 ILMGNAICPMANTOCORAFATLAKYKGEEDNDKDLFEFLMKANPDILKEEKLTL 300
 241 ILMGNAICPMANTOCORAFATLAKYKGEEDNDKDLFEFLMKANPDILKEEKLTL 300
 301 BEETKVMFPFGPVEPYOTADCVLPKHPREKVTAMGNSIPTMGNTSYEGEFTSLK 360
 301 BEETKVMFPFGPVEPYOTADCVLPKHPREKVTAMGNSIPTMGNTSYEGEFTSLK 360
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 361 QMPVLVELETGVNFVPSLADAEPTALEMGAKIKKAAVGTGETPTADNFMDCSHY 420
 421 FMPMHRLQLRNHNSGTPVLYRFDPSDDLINPRIRNSGNGVGVSHADELTYFFW 480
 421 FMPMHRLQLRNHNSGTPVLYRFDPSDDLINPRIRNSGNGVGVSHADELTYFFW 480
 481 NOLAKRMPRESREKTIERTMTGIWIOFATTCNPYSNEIEGMENYSMDPIKSDVYKCLN 540
 481 NOLAKRMPRESREKTIERTMTGIWIOFATTCNPYSNEIEGMENYSMDPIKSDVYKCLN 540
 541 ISDELKMIIDVPEMDKIKOWESMEFKHDLF 570
 541 ISDELKMIIDVPEMDKIKOWESMEFKHDLF 570

RESULT 9
 US-08-669-524-8
 Sequence 8, Application US/08669524
 Patent No. 5843758
 GENERAL INFORMATION:
 APPLICANT: RUSSELL, Robyn J.
 APPLICANT: NEWCOMB, Richard D.
 APPLICANT: ROBIN, Geoffrey C.
 APPLICANT: BOYCE, Thomas M.
 APPLICANT: CAMPBELL, Peter M.
 APPLICANT: PARKER, Anthony G.
 APPLICANT: OAKESHOT, John A.
 APPLICANT: SMYTH, Kerlie A.
 TITLE OF INVENTION: ENZYME BASED BIOREMEDIATION
 NUMBER OF SEQUENCES: 22
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lowe Price Leblanc & Becker
 STREET: 99 Canal Center Plaza, Suite 300
 CITY: Alexandria
 STATE: Virginia
 COUNTRY: USA
 ZIP: 22314
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/669,524
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Price, Robert L.
 REGISTRATION NUMBER: 22,685
 REFERENCE/DOCKET NUMBER: 1451-021
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-684-1111
 TELEFAX: 703-684-1124
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 572 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-669-524-8

Query Match 64.98: Score 1994.5: DB 2: Length 572: